If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
BRAKE (U.S.A.) (Canada)	**Brake system warning light (warning buzzer)*** • Low brake fluid • Malfunction in the brake booster system This light also comes on when the parking brake is not released. If the light turns off after the parking brake is fully released the system is operating normally.

*: **Parking brake engaged warning buzzer:**

A buzzer will sound if the vehicle is driven at a speed of approximately 3 mph (5 km/h) or more.

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
	Charging system warning light Indicates a malfunction in the vehicle's charging system.
	Low engine oil pressure warning light Indicates an abnormal level of engine oil pressure. This warning light may turn on if the level of engine oil declines. The light should turn off after checking the oil and adding oil if necessary.

Have the vehicle inspected by your Lexus dealer immediately.

Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning light	Warning light/Details
CHECK (U.S.A.) (Canada)	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; or • The electronic automatic transmission control system.
	SRS warning light Indicates a malfunction in: • The SRS airbag system; • The front passenger occupant classification system; or • The seat belt pretensioner system.

Warning light	Warning light/Details
ABS (U.S.A.) (ABS) (Canada)	**ABS warning light** Indicates a malfunction in: • The ABS; • The brake assist system.
	Rear light failure warning light Indicates a malfunction in tail lights.
A/T OIL TEMP (4WD models)	**Automatic transmission fluid temperature warning light** Indicates that the automatic transmission fluid temperature is too high.
(Vehicles with discharge headlights)	**Automatic headlight leveling system warning light** Indicates a malfunction in the automatic headlight leveling system.

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Warning light	Warning light/Details	Correction procedure
	Open door warning light (warning buzzer)*1 Indicates that one or more of the doors is not fully closed. The system also indicates which doors are not fully closed. The warning light flashes to indicate that one or more of the doors is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Close the indicated doors.
	Low fuel level warning light Remaining fuel (Approximately 2.9 gal. [11 L, 2.4 Imp.gal.] or less)	Refuel the vehicle.
	Driver's seat belt reminder light (warning buzzer)*2 Warns the driver to fasten his/her seat belt.	Fasten the seat belt.
	Front passenger's seat belt reminder light (warning buzzer)*3 Warns the front passenger to fasten his/her seat belt.	Fasten the seat belt.

Warning light	Warning light/Details	Correction procedure
	Tire pressure warning light	
	When the light comes on: Low tire inflation pressure.	Adjust the tire inflation pressure.
	When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system	Have the system inspected by your Lexus dealer.
	Low washer fluid warning light Low level of washer fluid	Fill the tank.
MAINT REQD (U.S.A)	**Engine oil replacement reminder light**	
	Illuminates for about 3 seconds and then flashes for about 12 seconds: Indicates that the engine oil is scheduled to be changed.	Check and the engine oil, and change if necessary.
	Comes on and remains: Indicates that the engine oil should be changed.	Check and change the engine oil.
(if equipped)	**Dynamic laser cruise control master warning light** Indicates a malfunction in the dynamic laser cruise control system. When the light system. When the light comes on, the alarm sounds and the warning code will appear on the display.	→P. 163

*1: **Open door warning buzzer:**

A buzzer will sound if the vehicle is driven at a speed of approximately 3 mph (5 km/h) or more with any door open.

*2: **Driver's seat belt reminder:**

The driver's seat belt reminder sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to the ON or START position, the buzzer sounds for 4 to 8 seconds. If the vehicle has reached a speed of at least 12 mph (20 km/h), the buzzer sounds intermittently for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

*3: **Front passenger's seat belt reminder:**

The front passenger's seat belt reminder sounds to alert the front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of at least 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

■ Key reminder buzzer

The buzzer indicates that the key has not been removed (with the engine switch in the ACC or LOCK position and the driver's door opened).

■ Open moon roof reminder buzzer

The buzzer indicates that the moon roof is not fully closed (with the engine switch in the ACC or LOCK position and the driver's door opened).

■ If the malfunction indicator lamp comes on while driving

First check the following:

- Is your vehicle low on gas?
  If it is, refuel the vehicle immediately.
- Is the fuel tank cap loose?
  If it is, tighten it securely.

The lamp will go off after taking several driving trips.
If the light does not go off even after several trips, contact your Lexus dealer as soon as possible.

■ **Front passenger detection sensor and passenger seat belt reminder**

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash, even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

■ **Changing the engine oil (U.S.A. only)**

Make sure to reset the oil change system. (→P. 326)

■ **When the tire pressure warning light comes on**

Check the tire inflation pressure and adjust to the appropriate level. Pushing the tire pressure warning reset switch does not turn off the tire pressure warning light.

■ **The tire pressure warning light may turn on due to natural causes**

The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ **When a tires is replaced with a spare tire**

The spare tire is also equipped with the tire pressure warning valve and transmitter. The tire pressure warning light will turn on if the tire inflation pressure of the spare tire is low. If a tire goes flat, even though the flat tire is replaced with the spare tire, the tire pressure warning light does not turn off. Replace the spare tire with the repaired tire and adjust the proper tire inflation pressure. The tire pressure warning light will turn off after a few minutes.

■ If the tire pressure warning system is inoperative

The tire pressure warning system may become inoperative in the following conditions:

(When the condition becomes normal, the system will work properly.)

- If tires not equipped with tire pressure warning valves and transmitters are used.
- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- If the tire pressure warning select switch is set to a different tire setting.
- If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm^2 or bar) or higher.
- If electronic devices or facilities using similar radio wave frequencies are nearby.
- If a large metallic object which can interfere with signal reception is put in the trunk.
- If a radio set at similar frequencies is in use in the vehicle.
- If a window tint that affects the radio wave signals is installed.
- If there is a lot of snow or ice on the vehicle, in particular, around the wheels or wheel housings.
- If non-genuine Lexus wheels are used. (Even if you use Lexus wheels, the tire pressure warning system may not work properly with some types of tires.)
- If tire chains are used.
- If the spare tire is in a location subject to poor radio wave signal reception.

■ If the tire pressure warning light comes on after blinking for 1 minute frequently

If the tire pressure warning light comes on after blinking for 1 minute frequently when the engine switch is turned to ON position, have it checked by your Lexus dealer.

CAUTION

■ If the tire pressure warning light comes on

Be sure to observe the following precautions. Failure to do so could cause loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If the tire is flat, change to the spare tire and have the flat tire repaired by the nearest Lexus dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ If a blowout or sudden air leakage should occur

The tire pressure warning system may not activate immediately.

CAUTION

■ **Maintenance of the tires**

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS (tire pressure warning system) malfunction may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.

Precaution when installing a different tire

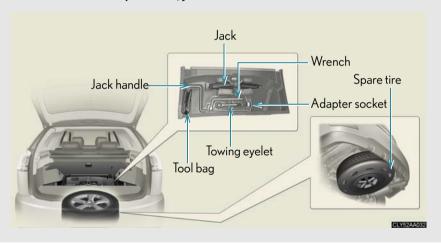
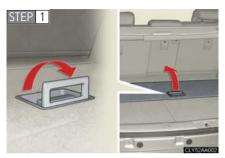
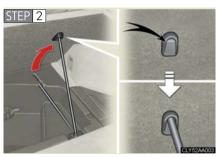
When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

If you have a flat tire

Remove the flat tire and replace it with the spare provided.

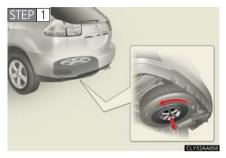
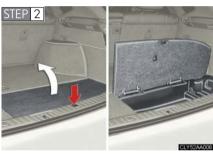
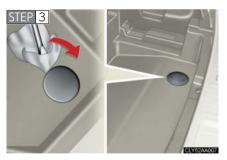
Before jacking up the vehicle

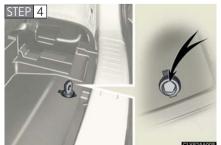
- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the engine.
- Turn on the emergency flashers.

Location of the spare tire, jack and tools

Taking out the jack and tools

Pull up the front deck board.

Hold the front deck board with the supporting rod.

When closing the board, return the supporting rod to its stored position.

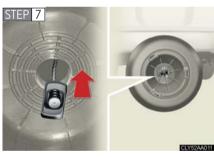
1 Unhook
2 Loosen
3 Tighten

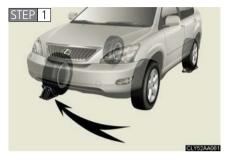
Taking out the spare tire

Remove the inside spare tire cover.

Open the right side auxiliary box.

Remove the cover.

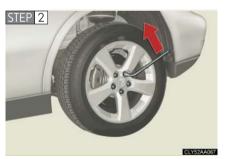
To protect the auxiliary box, place a rag between the screwdriver and the auxiliary box, as shown in the illustration.

Attach the adapter socket (for removing a spare tire).

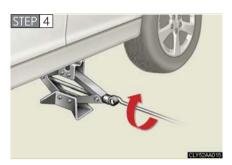
Connect the jack handle and the adapter socket. Turn the jack handle.

The tire will lower completely to the ground.

Pull out the spare tire and stand it up against the bumper.

Remove the holding bracket.

Replacing a flat tire

Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

Slightly loosen the wheel nuts (one turn).

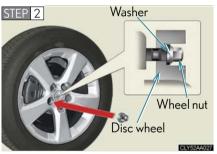
Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

Raise the vehicle until the tire is slightly raised off the ground.

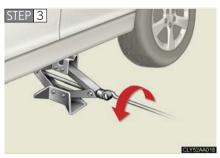
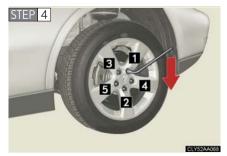
Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

Installing the spare tire

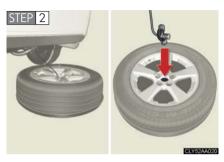
Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

Install the spare tire and loosely tighten each nut by hand to approximately the same amount.

Tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel sheet.

Lower the vehicle.

Firmly tighten each nut two or three times in the order shown in the illustration.

Tightening torque:
76 ft•lbf (103 N•m, 10.5 kgf•m)

Stowing the flat tire, jack and all tools

STEP 1 Install the inside spare tire cover on the outer side of the spare tire cover.

STEP 2 Put the flat tire in the spare tire cover with the outer side facing up and install the holding bracket.

STEP 3 Turn the spare tire clamp bolt clockwise with a jack handle and adapter socket until you hear a click.

STEP 4 Stow all the tools and jack securely.

After completing the tire change

The tire pressure warning system must be reset. (→P. 339)

5

When trouble arises

CAUTION

■ **Using the tire jack**

Improper use of the tire jack may lead to death or injuries due to the vehicle suddenly falling off the jack.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle supported by a jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is in it.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- Vehicles with electronically modulated air suspension: Be sure to turn off the height control and stop the engine.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.

■ **Replacing a flat tire**

Observe the following precautions to reduce the risk of injury.

- Never use oil or grease on the wheel bolts or wheel nuts.
  The oil or grease can cause the wheel nuts to loosen, causing a serious accident. Remove any oil or grease on the wheel bolts or wheel nuts.
- Have the wheel nuts tightened with a torque wrench to 76 ft•lbf (103 N•m, 10.5 kgf•m) as soon as possible after changing wheels.
  Failure to follow these precautions could cause the nuts to loosen and the wheels may fall off, which could lead to an accident causing death or serious injury.

NOTICE

■ **Do not drive the vehicle with a flat tire.**

Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

■ **When replacing the tires**

When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Lexus dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

■ **To avoid damaging the tire pressure warning valves and transmitters**

Do not use liquid sealants on flat tires.

■ **When stowing the flat tire**

- Ensure that there is no object caught between the tire and the vehicle underbody.
- Tighten the spare tire clamp bolt to hold the spare wheel carrier by the hook securely.

If the engine will not start

If the engine will not start, even though correct starting procedures are being followed (→P. 117), consider each of the following points.

The engine will not start even when the starter motor operates normally.

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank.
  Refuel your vehicle.
- The engine may be flooded.
  Try to restart the engine once more following correct starting procedures. (→P. 117)
- There may be a malfunction in the engine immobilizer system. (→P. 70)

The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.

One of the following may be the cause of the problem.

- The battery may be discharged. (→P. 421)
- The battery terminal connections may be loose or corroded.

The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.

One of the following may be the cause of the problem.

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. (→P. 421)

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

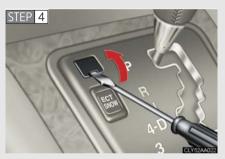
If the shift lever cannot be shifted from P

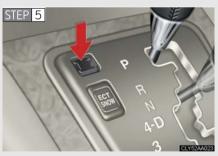
If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Lexus dealer immediately.
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

STEP 1 Set the parking brake.

STEP 2 Turn the engine switch to the ON position.

STEP 3 Depress the brake pedal.

STEP 4

Pry the cover up with a flathead screwdriver or equivalent.

STEP 5

Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

If you lose your keys

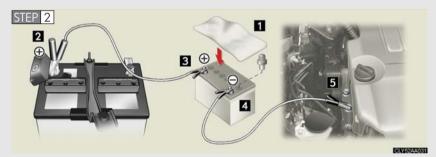
New genuine keys can be made by your Lexus dealer. Bring a master key and the key number stamped on the key number plate.

If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can call your Lexus dealer, Roadside Assistance or Lexus Customer Service Assistance.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Lexus following the steps below.

STEP 1 Remove the engine compartment cover. (→P. 325)

STEP 2

Connecting the jumper cables.

1 If required, remove all vent plugs from the booster battery. Lay a cloth over the open vents on the booster battery. (This helps reduce the explosion hazard, personal injuries and burns.)

2 Positive (+) battery terminal on your vehicle

3 Positive (+) battery terminal on the second vehicle

4 Negative (-) battery terminal on the second vehicle

5 Connect the jumper cable to ground on your vehicle as shown in the illustration.

STEP 3 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

STEP 4 Maintain the engine speed on the second vehicle and start the vehicle's engine.

STEP 5 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the engine starts, have the vehicle checked at your Lexus dealer as soon as possible.

Avoiding a discharged battery

- Turn off the headlights and the audio system while the engine is turned off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic, etc.

When the battery is removed or discharged

The power windows and power back door must be initialized.
(→P. 457)

CAUTION

Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery.

- Make sure the jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any part other than the intended terminal.
- Do not allow the jumper cables to come into contact with the “+” and “-” terminals.
- Do not allow open flame or use matches, cigarette lighters or smoke near the battery.

CAUTION

Battery precautions

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery.

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.
  Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

NOTICE

To prevent damaging the vehicle

Do not pull- or push-start the vehicle, because the three-way catalytic converter may overheat and become a fire hazard.

When handling jumper cables

Be careful that the jumper cables do not become tangled in the cooling fan or any of the belts when connecting or disconnecting them.

If your vehicle overheats

If your engine overheats:

STEP 1 Stop the vehicle in a safe place and turn off the automatic air conditioning system.

STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine and carefully lift the hood.

If you do not see steam:

Leave the engine running and carefully lift the hood.

STEP 3 Check to see if the cooling fan is operating.

If the fan is operating:

Wait until the temperature of the engine (shown on the instrument cluster) begins to fall and then stop the engine.

If the fan is not operating:

Stop the engine immediately and call your local Lexus dealer.

STEP 4

After the engine has cooled down sufficiently, check the engine coolant level and inspect the radiator core (radiator) for any leaks.

Add engine coolant if required.

Water can be used in an emergency measure if engine coolant is unavailable. (→P. 432)

Have the vehicle checked at your nearest Lexus dealer as soon as possible.

■ Overheating

If you observe the following, your vehicle may be overheating.

- The engine coolant temperature gauge enters the red zone or a loss of power is experienced.
- Steam is coming from under the hood.

⚠ CAUTION

■ To prevent an accident or injury when inspecting under the hood of your vehicle

- Keep hands and clothing away from the fan and other belts while the engine is running.
- Do not loosen the radiator cap while the engine and radiator are hot.
  Serious injury, such as burns, may result from hot coolant and steam released under pressure.

⚠ NOTICE

■ When adding engine coolant

Wait until the engine has cooled down before adding engine coolant.
When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

STEP 1 Stop the engine. Set the parking brake and put the shift lever in P.

STEP 2 Remove the mud, snow, or sand from around the stuck tire.

STEP 3 Place wood, stones or some other material to help provide traction under the tires.

STEP 4 Restart the engine.

STEP 5 Shift the shift lever to the D or R position and carefully apply the accelerator to free the vehicle.

Turn off TRAC and/or VSC if these functions are hampering your attempts to free the vehicle. (→ P. 170)

CAUTION

When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed.
This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

NOTICE

To avoid damaging the transmission and other components

- Avoid spinning the wheels and do not rev the engine.
- If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.